



Edward Kolodziej

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Todd Gmitro

Corrective Action Project Manager

Remediation and Reuse Branch - U.S. EPA Region 5

77 W. Jackson Blvd. (LU-9J)

Chicago, IL 60604

Re: General Electric Company, Evendale, Ohio

OHD 000 817 312

Progress Report

Dear Mr. Gmitro:

Please find attached the First Quarter 2016 Progress Report. If you have any questions, please contact me at (610) 992-7981.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manages the system or those persons directly responsible for gathering the information, the information is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,

A handwritten signature in blue ink that reads 'Ed Kolodziej'.

Ed Kolodziej

Senior Project Manager – Environmental Remediation

cc: Chief Mike Hauck, Evendale Fire Department
Tim Hull, Ohio EPA
Ralph Mertz, BUSTR (Incident Number: 31001060)
John Wolfe, United States Air Force
Kent Scott-Smith, United States Air Force
Joanne Reinhold, GE

Description of Work Completed in First Quarter 2016:

- Completed pilot testing of alternate pumping strategies, including temporary shutdown, of extraction wells EW-7S and EW-8D. Testing of EW-7S was completed in December 2015. Testing of EW-8D was terminated on February 17, 2016 due to impacts of low flow on the groundwater treatment plant performance. Results of the pilot testing will be summarized in the Corrective Measures Study (CMS) report.
- Except during pilot testing, performed continuous pumping from extraction wells in each water-bearing unit. The average pumping rates for the first quarter 2016 were:

<u>Well ID</u>	<u>Unit</u>	<u>1Q 2016 Average Pumping Rate (gpm)</u>
EW-2P	Perched	42
EW-4P	Perched	43
EW-5P	Perched	24
EW-6P	Perched	27 (operating)/11 (avg)
EW-7S	USG	9 (pilot-pumping)/4 (pilot-avg)
EW-3D	LSG	38
EW-8D	LSG	<u>43(pilot-pumping)/36(pilot-avg)</u>
		Total 1Q2016 Avg = 198gpm

- Continued operating the IRM groundwater treatment plant, including scheduled and unscheduled maintenance activities, permit compliance sampling and analysis, and reporting of key operational parameters. Operational run-time for the treatment plant was 97% for the quarter.
- Experienced reduced operational time (92%) for the treatment plant in March 2016 due to an air stripper sensor failure and reduced flow entering the system from March 11, 2016 through March 14, 2016. A pump failed in EW-6P in early February 2016 and remained shutdown through the end of the first quarter 2016. System repairs and scheduled maintenance will be conducted in April 2016.
- Continued progress monitoring of aquifer conditions in the three water-bearing units in accordance with the Performance Monitoring Plan (PMP). Submitted the 4th quarter IRM groundwater monitoring report to USEPA on February 29, 2016.
- Conducted groundwater level measurements and transducer download on January 5, 2016.
- Conducted the 1st quarter 2016 IRM groundwater sampling between March 1, 2016 and March 3, 2016.
- Continued CMS activities associated with interim reports as outlined in the approved May 2014 CMS Work Plan, including the development of groundwater corrective measure objectives (CMOs). The groundwater CMOs interim report is currently undergoing review. Submittal to USEPA is anticipated to occur by the end of April 2016.
- Initiated preparation of the CMS report per the approved May 2014 CMS Work Plan.
- Completed a work plan for an on-site vapor assessment for Buildings 500, 700, 703, and 800 in response to the July 2015 USEPA comments. The work plan was submitted to USEPA on March 14, 2016. The approach was agreed to by USEPA during a follow-up conference call, held on March 17, 2016, to highlight details of the proposed vapor assessment activities. Vapor sampling was conducted in Building 800 during the week of March 21st.

- The Tier 1 report submittal to Ohio BUSTR regarding the Bldg 500 UST was approved by Ohio BUSTR on December 18, 2015. GE continued development of the Tier 2 report for submittal to Ohio BUSTR during second quarter 2016.
- Continued negotiating the purchase and sale agreement with Ohio Department of Transportation (ODOT) to purchase a small portion of the GE property to construct a new public roadway along the western portion of the Facility. ODOT plans will require that a number of monitoring wells be decommissioned and possibly relocated/replaced. USEPA will be notified of these ODOT requirements once they are confirmed.

Summary of All Findings:

- None

Contacts with the Public:

- None

Problems or Potential Problems Encountered:

- None

Actions Taken to Rectify Problems:

- None

Changes in Personnel During Reporting Period:

- None

Projected Work for Second Quarter 2016:

- Continue pumping in the three aquifer zones (Perched, USG and LSG) and progress monitoring of aquifer conditions as outlined in the PMP. Conduct IRM water level monitoring and transducer download in early April 2016.
- Continue operating the IRM groundwater treatment plant, including scheduled maintenance activities, permit compliance sampling and analysis, and reporting of key operational parameters. Replace pump in EW-6P and failed air stripper sensor in April 2016. Also, conduct scheduled air stripper chemical clean-in-place in April 2016.
- Re-develop extraction wells EW-3D and possibly EW-8D.
- Complete the interim report for groundwater CMOs and submit to USEPA.
- Complete development of the CMS report, with consideration to USEPA review of interim reports.
- Prepare the 1st quarter IRM groundwater monitoring report and submit to USEPA.
- Conduct 2nd quarter/semiannual IRM groundwater monitoring in May 2016.
- Conduct annual MNA groundwater sampling event in June 2016.
- Submit Tier 2 evaluation report for the Bldg 500 UST to Ohio BUSTR.
- Evaluate vapor data collected during on-site vapor assessment for Building 800 and submit to USEPA.

Copies of Daily Reports and Laboratory/Monitoring Data:

- None